

Title (en)
Bearing assembly

Title (de)
Lageranordnung

Title (fr)
Ensemble palier

Publication
EP 0840026 A3 19990210 (EN)

Application
EP 97307978 A 19971009

Priority
GB 9622876 A 19961102

Abstract (en)
[origin: EP0840026A2] A bearing assembly (10) comprises a piston (12) mounted within and capable of reciprocating with respect to a fixed bearing shell (14). The bearing shell (14) is provided with openings (30) for the supply of a bearing medium, such as compressed air, into a clearance (13) between the piston (12) and the bearing shell (14). The bearing shell (14) is tapered circumferentially which renders the bearing shell (14) flexible. As the diameter of the piston (12) increases due to thermal expansion, the diameter of the bearing shell (14) changes automatically to maintain the clearance (13) therebetween. <IMAGE>

IPC 1-7
F16C 32/06

IPC 8 full level
F16C 17/22 (2006.01); **F16C 25/04** (2006.01); **F16C 29/02** (2006.01); **F16C 32/06** (2006.01)

CPC (source: EP US)
F16C 17/22 (2013.01 - EP US); **F16C 29/025** (2013.01 - EP US); **F16C 32/067** (2013.01 - EP US); **F16C 32/0685** (2013.01 - EP US); **Y10S 384/905** (2013.01 - EP US)

Citation (search report)

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Designated contracting state (EPC)
AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)
EP 0840026 A2 19980506; **EP 0840026 A3 19990210**; GB 9622876 D0 19970108; JP 3993923 B2 20071017; JP H10141365 A 19980526; US 5941645 A 19990824

DOCDB simple family (application)
EP 97307978 A 19971009; GB 9622876 A 19961102; JP 30066597 A 19971031; US 95462997 A 19971020